

## Section 1726

1 Payment will be made under:

### Pay Item

Inductive Loop Sawcut

### Pay Unit

Linear Foot

## SECTION 1726 LEAD-IN CABLE

### 1726-1 DESCRIPTION

5 Furnish and install lead-in cable with all necessary hardware to be used in conjunction with,  
6 but not limited to, inductive detection loops, pedestrian pushbutton assemblies,  
7 APS assemblies or railroad circuitry.

### 1726-2 MATERIAL

9 Refer to Division 10.

#### Item

Lashing Wire and Hardware

Lead-In Cable

Wrapping Tape

#### Section

1098-6

1098-9

1098-6

10 Furnish material, equipment and hardware under this section that is pre-approved on the  
11 ITS and Signals QPL.

### 1726-3 CONSTRUCTION METHODS

13 For underground runs, install lead-in cable in 2" non-metallic conduit. For aerial installation,  
14 wrap lead-in cable to messenger cable with at least 4 turns of wrapping tape spaced at  
15 intervals less than 15" or lash lead-in cable to messenger cable with one 360° spiral of lashing  
16 wire per 12".

17 Where railroad preemption is required, install lead in cable from signal controller cabinet to  
18 railroad company furnished and installed lockable junction box.

19 Splicing of lead-in cable will be allowed only for runs in excess of 750 ft. Splice lead-in  
20 cable in junction boxes or condulets on poles.

21 Test each complete loop system from the controller cabinet by using a megger to verify that  
22 impedance from the loop system to the ground is at least 50 megaohms. After successful  
23 completion of megger test, test loop system resistance using an electronic ohmmeter to verify  
24 loop system resistance is less than 0.00885 ohms per foot.

### 1726-4 MEASUREMENT AND PAYMENT

26 *Lead-in Cable* (\_\_\_\_) will be measured and paid as the actual linear feet of lead-in cable  
27 furnished, installed and accepted. Measurement will be made by calculating the difference in  
28 length markings located on outer jacket from start of run to end of run for each run.  
29 Terminate all cables before determining length of cable run.

30 If markings are not visible, measurement will be point to point with no allowance for sag.  
31 Twenty-five feet will be allowed for vertical segments up or down poles.

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### Pay Item

Lead-in Cable (\_\_\_\_)

### Pay Unit

Linear Foot